

# NPN DARLINGTON ESD PROTECTION CIRCUIT

## Abstract

An electrostatic discharge protection (ESD) circuit includes an NPN Darlington circuit and an n-type metal oxide semiconductor (NMOS) transistor. The drain of NMOS transistor is connected to the input end of the NPN Darlington circuit. The source of NMOS transistor is connected to the control end of the NPN Darlington circuit. The gate of NMOS transistor is connected to the output end of the NPN Darlington circuit.